

## Topic: “The Next Generation of Regulation for High-Reliability Organizations”

<b>Moderator: Pending</b>	
<b>Panel Members:</b>	
 <p><b><u>Honorable John S. Bresland</u></b>, Chief Executive Officer, U.S. Chemical Safety Board</p>	<p>John S. Bresland was appointed by President George W. Bush as chairman and chief executive officer of the U.S. Chemical Safety Board in March of 2008.</p> <p>Mr. Bresland previously served as a CSB board member from August 2002 until August 2007. Before joining the Board he was President of Environmental and Safety Risk Assessment LLC, a chemical process safety consulting company based in Morristown, New Jersey. In addition he was a Staff Consultant to the Center for Chemical Process Safety of the American Institute of Chemical Engineers, working as a project manager on two committees writing books on dust explosions and the management of reactive chemical hazards.</p> <p>Mr. Bresland graduated in Chemistry from Londonderry Technical College, Northern Ireland and from Salford University, England. He is a member of the American Institute of Chemical Engineers, the American Chemical Society and a Fellow of the Royal Society of Chemistry.</p>
 <p><b><u>Dr. Jerry Ellig</u></b>, Senior Research Fellow, Mercatus Center, George Mason University</p>	<p>Dr. Jerry Ellig is a senior research fellow at the Mercatus Center at George Mason University, where he has worked since 1996. Between August 2001 and August 2003, he served as deputy director and acting director of the Office of Policy Planning at the Federal Trade Commission. Dr. Ellig has also served as a senior economist for the Joint Economic Committee of the U.S. Congress and as an assistant professor of economics at George Mason University.</p> <p>Dr. Ellig earned his PhD and MA in economics from George Mason University in Fairfax, VA, and his BA in economics from Xavier University in Cincinnati, OH.</p>
 <p><b><u>Christopher A. Hart</u></b>, Deputy Director, Air Traffic Safety Oversight, Federal Aviation Administration</p>	<p>Christopher A. Hart is the Deputy Director for Air Traffic Safety Oversight at the Federal Aviation Administration. Until recently he was the FAA Assistant Administrator for the Office of System Safety. Reporting directly to the FAA Administrator, the Office of System Safety provided data, analytical tools and processes, safety risk assessments, and other assistance to support numerous FAA and worldwide aviation community safety programs; spearheaded industry-wide safety activities such as the Global Aviation Information Network (GAIN); and helped to identify key safety issues and emerging trends affecting aviation safety.</p> <p>Mr. Hart has a law degree from Harvard Law School and a Master's Degree (magna cum laude) in Aerospace Engineering from Princeton University. He is a member of the District of Columbia Bar and the Lawyer-Pilots Bar Association, and he is a pilot with commercial, multi-engine, and instrument ratings.</p>
 <p><b><u>Dr. Mihail C. Roco</u></b>, Senior Advisor for Nanotechnology, National Science Foundation</p>	<p>Dr. Roco is the founding chair of the National Science and Technology Council's subcommittee on Nanoscale Science, Engineering and Technology (NSET), and is the Senior Advisor for Nanotechnology at the National Science Foundation. He also coordinated the programs on academic liaison with industry (GOALI). Prior to joining National Science Foundation, he was Professor of Mechanical Engineering at the University of Kentucky (1981-1995), and held visiting professorships at the California Institute of Technology (1988-89), Johns Hopkins University (1993-1995), Tohoku University (1989), and Delft University of Technology (1997-98).</p> <p>Dr. Roco is credited with thirteen inventions, contributed over two hundred</p>

	<p>articles and sixteen books including "Particulate Two-phase Flow" (Butterworth, 1993), "Nanostructure Science and Technology" (1999), "Societal Implications of Nanoscience and Nanotechnology" (2001 and 2006), and more recently "Managing Nano-Bio-Info-Cognition Innovations" (2007) and "Mapping Nanotechnology Knowledge and Innovation: Global and Longitudinal Patent and Literature Analysis" (2008).</p> <p>He initiated the first Federal Government program with focused on nanoscale science and engineering (on Synthesis and Processing of Nanoparticles) at NSF in 1991. He formally proposed NNI in a presentation at White House/OSTP, Committee on Technology, on March 11, 1999. He is a key architect of the National Nanotechnology Initiative, and coordinated the preparation of the U.S. National Science and Technology Council reports on "Nanotechnology Research Directions" (NSTC, 1999) and "National Nanotechnology Initiative" (NSTC, 2000).</p>
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